



IN THE CLAIMS


Please cancel the previous versions of the following claims and replace them with the following rewritten versions. Marked-up copies showing the amendments since the previous versions are annexed on separate pages.

Claim 1 (twice amended). Process for producing a partially self-adhesively treated backing material, comprising the following steps:

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- a) coating a first backing material with a self-adhesive composition in the form of domes and/or polygeometric structural forms, or both, the add-on of the self-adhesive composition to the backing material being at least 3 g/m<sup>2</sup> and the surface coverage of the backing material being at least 1%,
  - b) permanently deforming at least some of the domes, polygeometric structural forms or at least some of each.



Claim 4 (twice-amended). Process according to Claim 1, wherein permanent deformation of the domes or polygeometric structural forms takes place by means of a controlled temperature regime during coating or by the introduction of radiative energy, mechanical energy, or by a combination thereof.



Claim 7 (twice-amended). Process according to Claim 1, wherein the first backing material is a roller (6) or a belt, with an adhesive surface, the adhesive surface comprising a coating of silicones or fluorine compounds or a plasma-coated release system, which is applied with a weight per unit area of from 0.001 g/m<sup>2</sup> to 3000 g/m<sup>2</sup>.

*Dr. David*  
Claim 8 (twice amended). Process according to Claim 7, wherein said first backing material is a roller, the surface-temperature of which is adjustable and the adhesive properties of the surface are such that the applied self-adhesive composition adheres to the surface of the roller.

*DS*  
Claim 10 (twice-amended). Process according to Claim 7, wherein the domes, polygeometric structure forms or both are transferred to a second backing material during or after the permanent deformation, by guiding the second backing material against the adhesive surface of the roller (6) or of the belt by way of a pickup roller (7) which is positionable in the peripheral direction and/or radial direction with respect to the roller or to the belt and/or may force the second backing material against the domes, polygeometric forms or both, with pressure, so that the degree of permanent deformation may be influenced.

*Dr.*  
Claim 12 (twice amended). Process according to Claim 11, wherein the deflection devices (8, 9) comprise rollers which are positionable in the peripheral direction, radial direction or both with respect to the roller (6) or belt and which optionally force the second backing material against the domes, polygeometric forms or both, with pressure, so that the degree of permanent deformation is optionally influenced.

*Dr. David*  
Claim 15 (twice-amended). Process according to Claim 1, wherein the viscoelastic properties of the domes, polygeometric structural forms or of both are established by controlling the heat energy from the coating process, by the at least

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partial introduction of additional energy, or by the at least partial removal of heat energy,  
or by a combination thereof.

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Claim 18 (twice-amended). Process according to Claim 1, wherein the side of  
the backing material opposite the adhesive has a bond strength to steel of at least 0.5  
N/cm.

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Claim 19 (twice amended). Plasters, medical adhesive tapes, wound  
coverings, doped systems, and orthopaedical and phlebological bandages and  
dressings comprising partially self-adhesively treated backing materials prepared  
according to Claim 1.

Claim 20 (twice amended). Plasters, medical adhesive tapes, wound coverings,  
doped systems and orthopaedical and phlebological bandages and dressing according  
to Claim 19, wherein following its production, the partially self-adhesively treated  
backing material is lined or provided with a wound pad or padding and/or is sterilized.

Claim 21 (twice amended). Industrial and reversible adhesive tapes  
comprising the partially self-adhesively treated backings prepared according to Claim 1,  
which on removal cause no damage or injury to substances of paper, plastics, glass,  
textiles, wood, metals or minerals.

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Please add the following new claim: